Canada–Manitoba

RED RIVER VALLEY RING DYKE UPGRADING AGREEMENT

Annual Report

1984–1985

June, 1985

CANADA-MANITOBA

RED RIVER VALLEY RING DYKE UPGRADING AGREEMENT

ANNUAL REPORT

FOR

THE PERIOD

APRIL 1, 1984 TO MARCH 31, 1985

Environment Canada
Inland Waters Directorate
Western and Northern Region
1901 Victoria Avenue
REGINA, Saskatchewan
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Province of Manitoba
Department of Natural Resources
Water Resources Branch
1577 Dublin Avenue
WINNIPEG, Manitoba
R3E 3J5

June, 1985

CANADA-MANITOBA RED RIVER VALLEY DYKE UPGRADING AGREEMENT

IMPLEMENTATION COMMITTEE

1577 Dublin Avenue
Winnipeg, Manitoba
R3E 3J5

July 8, 1985

The Honourable Suzanne Blais-Grenier
Minister
Department of the Environment
Ottawa, Ontario
K1A OH3

The Honourable Samuel Uskiw
Minister
Department of Natural Resources
Winnipeg, Manitoba
R3C OV8

Dear Ministers:

I am pleased to present the third Annual Report of the Implementation Committee which is responsible for the administration of the Red River Valley Ring Dyke Upgrading Agreement which was signed on March 10, 1983. This report covers the work undertaken during the period April 1, 1984 to March 31, 1985.

Progress in the third year of the agreement was greater than in the two previous years due to the fact that all of the local governments have now signed agreements with the Province to cost-share in the capital costs for upgrading the dyking systems and to participate in the annual maintenance of the works. Dyke upgrading at the Village of Brunkild was completed with the exception of the supply and installation of the pumps. Work on dyke upgrading at the Town of Morris was well advanced. At the Village of St. Adolphe a large part of the project was completed with only the north dyke still to be constructed.

During the reporting period total shareable expenditures were $687,456.81. Of this amount 45 percent or $309,355.56 was Canada's share and 55 percent or $378,101.25 was Manitoba's share.

Yours sincerely,

N. Mudry, P. Eng.
Chairman

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B. Location Plans of the Dyking Systems of the Eight Red River Valley Communities.

RED RIVER VALLEY RING DYKE UPGRADING AGREEMENT

On March 10, 1983 the Government of Canada and Manitoba signed "An Agreement Respecting the Upgrading of Ring Dykes in Certain Communities in the Red River Valley". This Agreement provides for the upgrading of the existing dyking systems of eight communities in the Red River Valley to provide flood protection to the one percent flood level.

1. Introduction

The third annual report reviews work activities and programs under the Ring Dyke Upgrading Agreement during the period from April 1, 1984 to March 31, 1985.

The Agreement provides up to $4.5 million to improve the existing ring dykes at Emerson, Letellier, Dominion City, St. Jean Baptiste, Morris, Rosenort, Brunkild and St. Adolphe to enable them to withstand a one percent flood. The cost of the works to be undertaken under the Agreement are to be shared 45 percent by Canada and 55 percent by Manitoba. Thus, in those instances where portions of the dyking systems are not up to the 1950 level the capital cost of construction on such portions are to be shared 55 percent by Manitoba and 45 percent by Canada. Manitoba had entered into agreements with regard to the eight community dyking systems with the municipalities involved. These agreements provided for a contribution of five percent of the capital costs to upgrade the dyking systems from the 1950 flood level to the one percent flood level and 25 percent of the annual maintenance costs. The municipalities subsequently agreed, in lieu

of 25 percent of annual maintenance costs, to be responsible for all grass mowing on their dyking systems as well as to make a fixed annual payment to the Province to provide their share of future pump replacement within their dyking systems.

The communities are shown on the location map in Appendix A. Location plans for the dyking systems are shown in Appendix B.

2. Organization

Under the terms of the Ring Dyke Upgrading Agreement an Implementation Committee was established consisting of one member appointed by the Minister of the Environment for Canada and one member appointed by the Minister of Natural Resources for Manitoba. The members for 1984-85 were:

Canada	Manitoba
Mr. R. A. Halliday Chief Water Planning and Management Branch Inland Waters Directorate Environment Canada	Mr. N. Mudry Chief of Water Management Water Resources Branch Department of Natural Resources

Mr. N. Mudry acted as Chairman for the year and Mr. J. Toye of Water Resources Branch, Manitoba Natural Resources served as Secretary.

The Implementation Committee met on May 29, 1984, August 22, 1984, November 8, 1984 and March 19, 1985.

3. Progress

Agreements with the municipalities concerned covering all eight communities included in this agreement have been entered into with Manitoba

to cost-share in the upgrading of these dyking systems. An additional agreement with the R.M. of Ritchot for St. Adolphe will be required as the Council of the R.M. of Ritchot has requested that the north portion of the dyking system be extended to provide protection to additional undeveloped land. The Implementation Committee has agreed to this proposal provided that all additional costs resulting from the extension are assumed by the municipality. The Council of the R.M. of Ritchot has agreed to be responsible for these additional costs.

The following is the progress report on all the communities for the 1984-85 fiscal year.

Emerson - No actual construction was undertaken. Some design work and field investigations were undertaken. Negotiations were initiated with the U.S. Army Corps of Engineers for a joint flood protection project. Under this scheme a dyke will be constructed at Noyes, Minnesota by the Corps which will tie into the Emerson dyking system thereby providing flood protection to Emerson from the south side. Another component of the joint project consists of construction of a dyke along the International Boundary on the Minnesota side. Although this dyke will be constructed under the Corps' direction, the construction cost will be borne by Canada and Manitoba. Acquisition of right-of-way for both the Noyes dyke and the International Boundary dyke will be the responsibility of the local authority in Minnesota.

Expenditures were $7,356.01.

Letellier - No actual construction was undertaken. The design is completed. Some construction materials have been ordered.

Expenditures were $65,599.26.

St. Jean Baptiste - No actual construction was undertaken. The design work is essentially complete. The majority of right-of-way required was purchased.

Expenditures were $48,473.89.

Dominion City - No construction or design work was undertaken.

Morris - The design is complete. The majority of the upgrading of the dykes was undertaken. The internal drainage was completed.

Expenditures were $150,186.27.

Rosenort - No actual construction was undertaken. The design is essentially complete. Purchase of the necessary right-of-way was initiated and some construction materials ordered.

Expenditures were $23,293.09.

Brunkild - All the dyking and dyke upgrading was completed. Internal drainage was completed. The purchase and installation of the pumps for the pumping station is all that remains to be done.

Expenditures were $259,984.61.

St. Adolphe - The raising and upgrading of the existing dykes was completed. The only remaining work is the construction of the north dyke.

Expenditures were $132,563.68.

Total Expenditures - Expenditures for the 1984-85 fiscal year totalled $687,456.81. Table 1 indicates expenditures under the Agreement for 1982-85.

4. Amendments to the Present Agreement

Negotiations between the two levels of government to amend the agreement continued during the 1984-85 fiscal year. The amendment to the existing agreement is for an extension in time of four years. Thus the new termination date of the Agreement is March 31, 1989 with an allowance for claims and adjustments until September 30, 1989. Also included in the amending agreement is provision for additional funding of $1.6 million to provide flood protection to the Village of Ste. Rose du Lac as well as to the Town of Souris water treatment plant. This brings the total funding under the agreement to $6.1 million. Both the federal and provincial governments have passed Orders-in-Council authorizing the amendments to the agreement. It is expected that the respective Ministers will sign the amending agreement early in the 1985-86 fiscal year.

TABLE 1

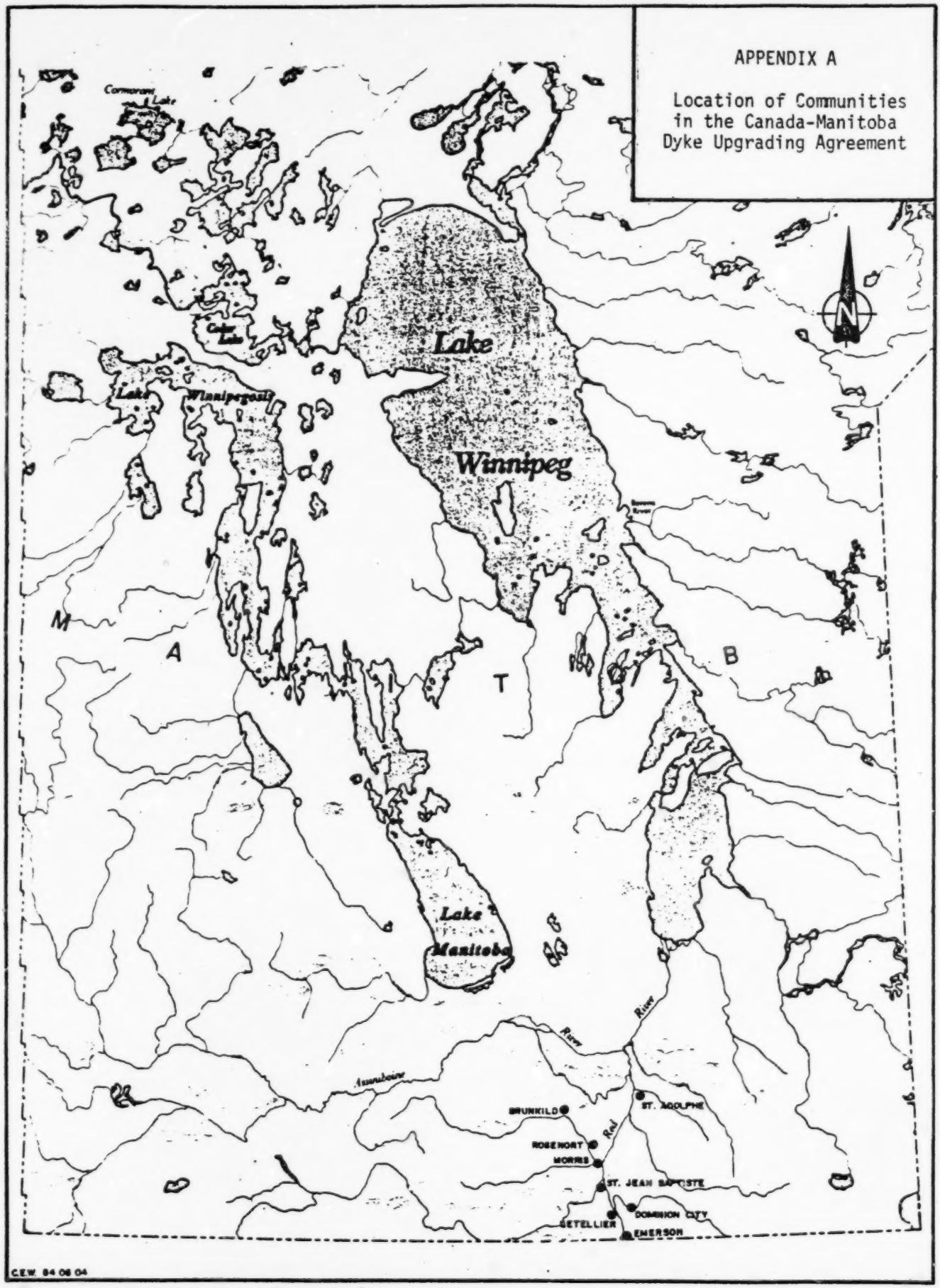
CANADA-MANITOBA RED RIVER VALLEY
RING DYKE UPGRADING AGREEMENT
EXPENDITURES FOR 1982-85

Community	1982/83*	1983/84	1984/85
Emerson	-	$ 3,834.76	$ 7,356.01
Letellier	-	7,367.42	65,599.26
Dominion City	-	-	-
St. Jean Baptiste	$198,128.74	369.20	48,473.89
Morris	131,004.39	1,045.11	150,186.27
Rosenort	10,209.81	4,369.11	23,293.09
Brunkild	-	177,837.07	259,984.61
St. Adolphe	-	136,140.54	132,563.68
TOTAL	$339,342.84	$330,963.21	$687,456.81

*During 1982-83 there were no funds expended because of the late signing of the agreement. The expenditures indicated are for those retroactive costs incurred by the Province prior to the agreement signing as allowed under clause 4(5) of the Agreement.

APPENDIX A

Location of Communities in the Canada-Manitoba Dyke Upgrading Agreement



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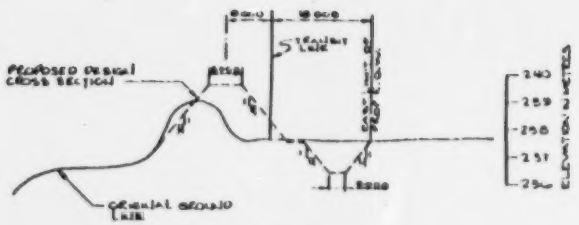
APPENDIX B

LOCATION PLANS OF THE DYKING SYSTEMS OF THE EIGHT RED RIVER VALLEY COMMUNITIES



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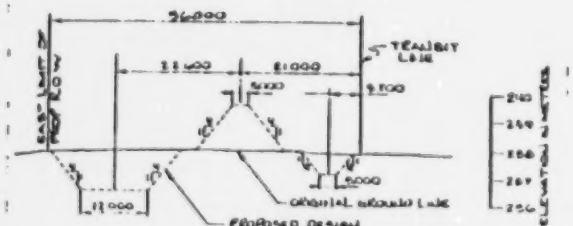

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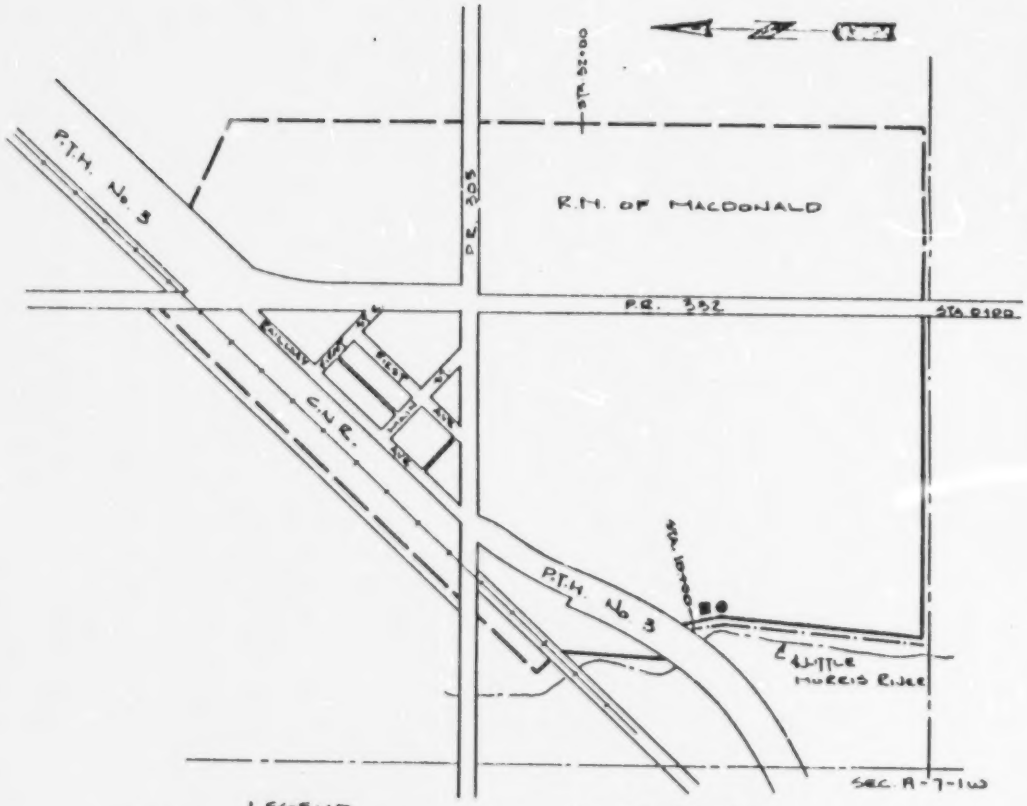


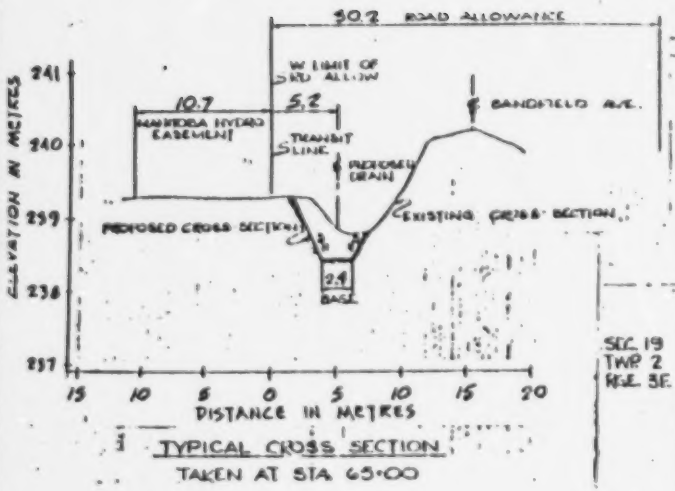
LEGEND

- LOCATION OF PROPOSED PERMANENT DYKING SYSTEM.
- PROPOSED PUMPING STATION.
- PROPOSED GRAVITY OUTLET CHAMBER.
- LOCATION OF PROPOSED GRAVEL SURFACE ROADWAY.
- LOCATION OF PROPOSED UPGRADING OF PERMANENT DYKING SYSTEM.

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

CANADA - MANITOBA AGREEMENT
RESPECTING THE UPGRADING OF DYKES

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR VILLAGE OF BRUNKILD



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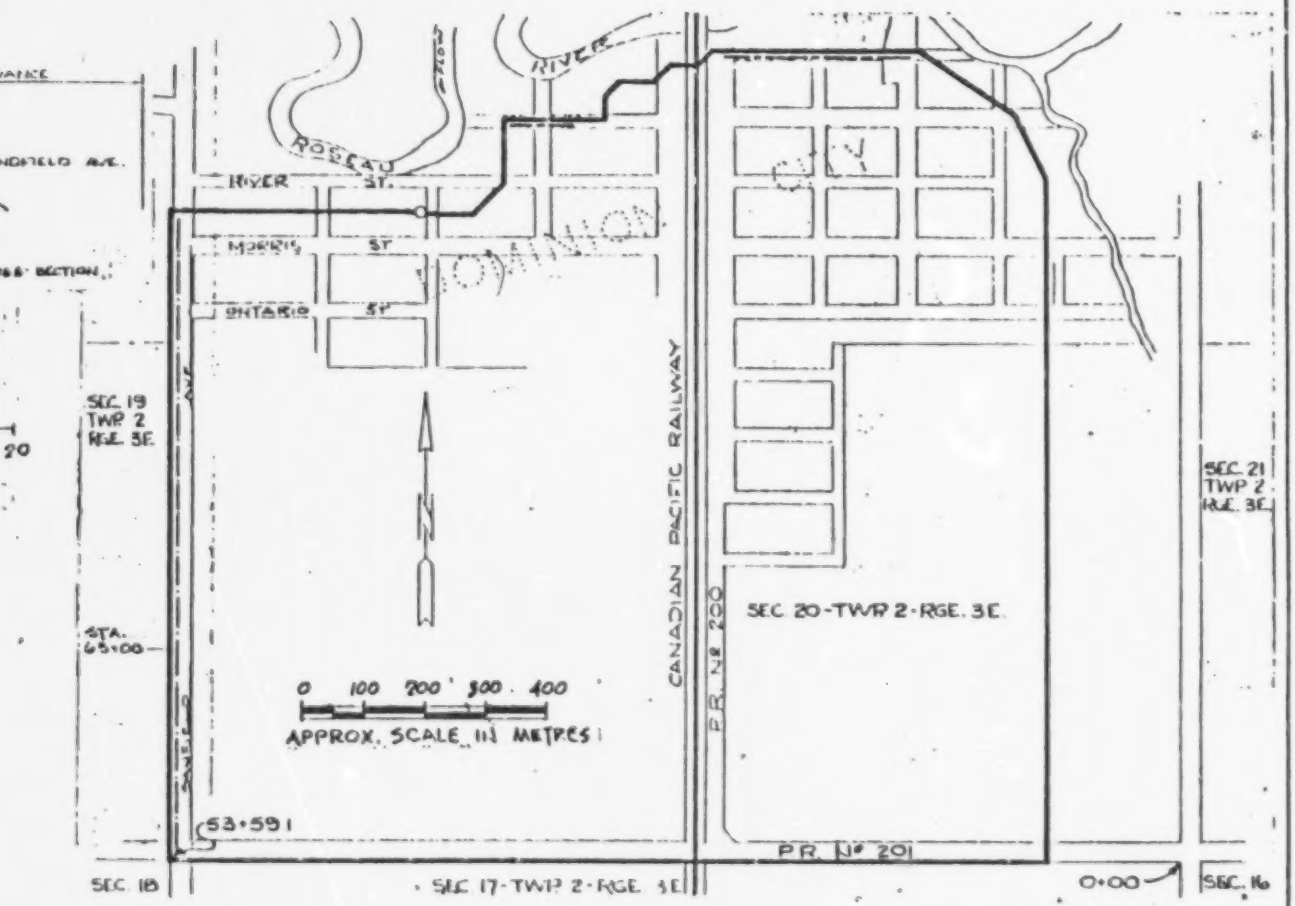


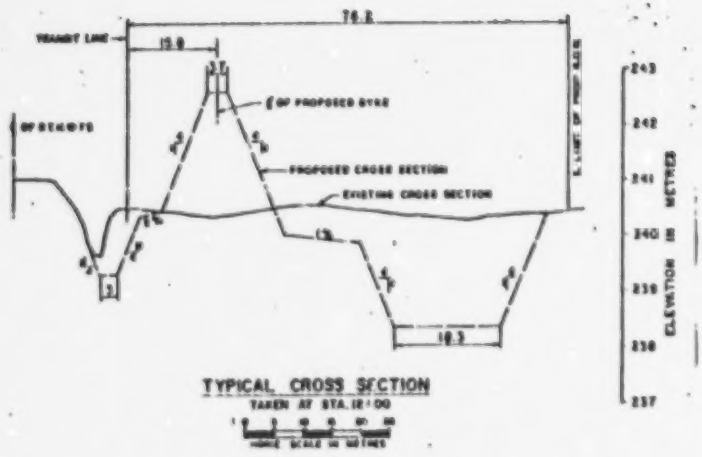
LEGEND

- LOCATION OF PROPOSED UPGRADING OF PERMANENT DYKING SYSTEM.
- EXISTING DYKE REQUIRING NO IMPROVEMENTS
- O EXISTING GRAVITY OUTLET CHAMBER
- LOCATION OF PROPOSED GRAVEL SURFACE ROADWAY.
- LOCATION OF PROPOSED PAVED SURFACE ROADWAY.

CANADA - MANITOBA AGREEMENT RESPECTING THE UPGRADING OF DYKES

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR VILLAGE OF DOMINION CITY



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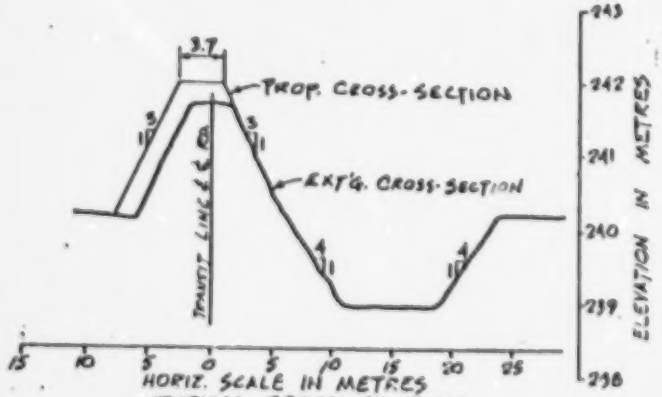

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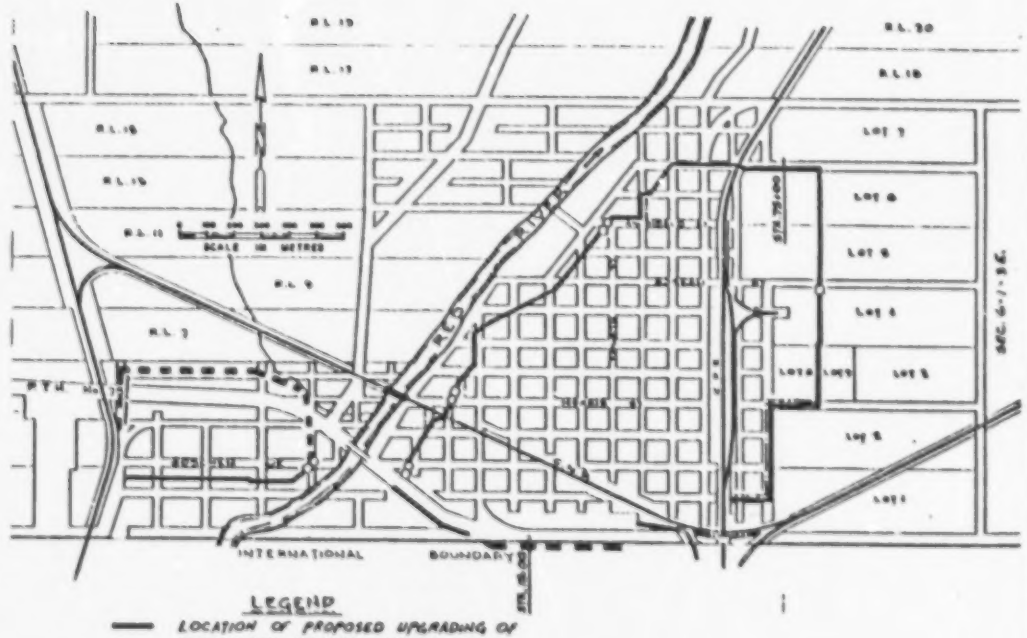


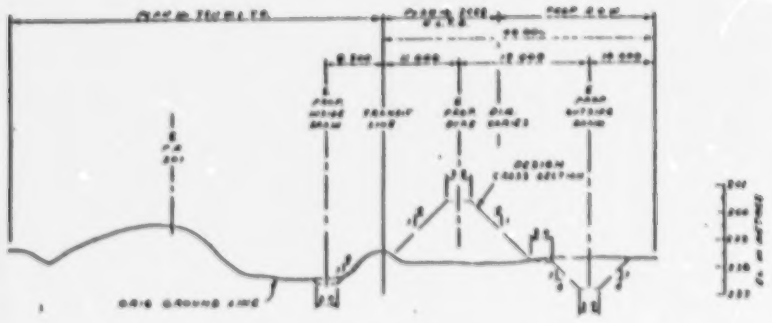
LEGEND

- LOCATION OF PROPOSED UPGRADING OF PERMANENT DYKING SYSTEM
- LOCATION OF PROPOSED NEW DYKES
- □ EXISTING PUMPING STATION
- ○ EXISTING GRAVITY OUTLET CHAMBER
- LOCATION OF PROPOSED GRAVEL SURFACE ROADWAY.

CANADA - MANITOBA AGREEMENT
RESPECTING THE UPGRADING OF DYKES

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR TOWN OF EMERSON



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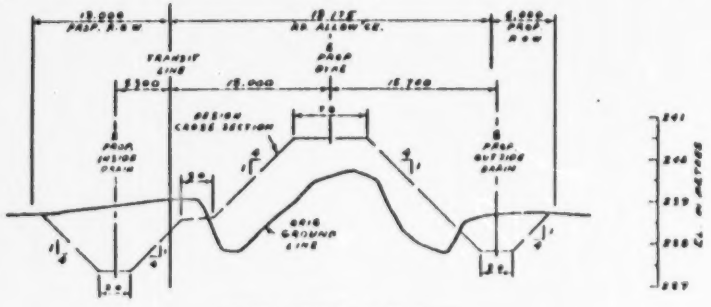

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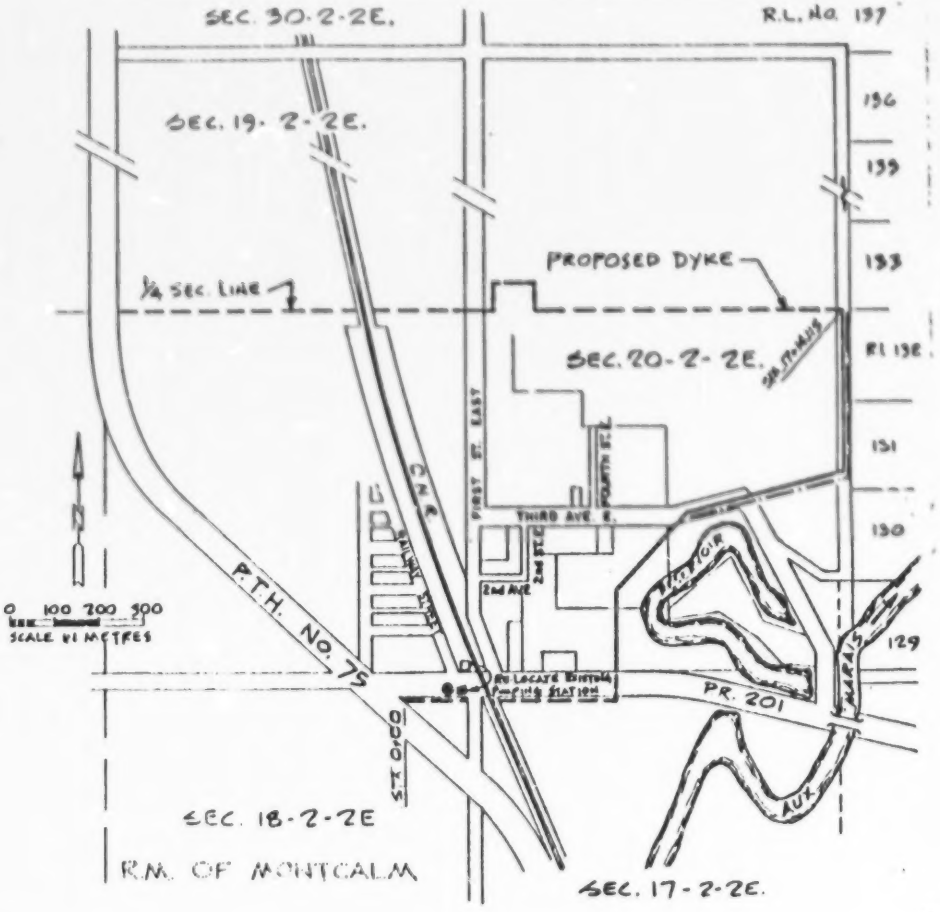


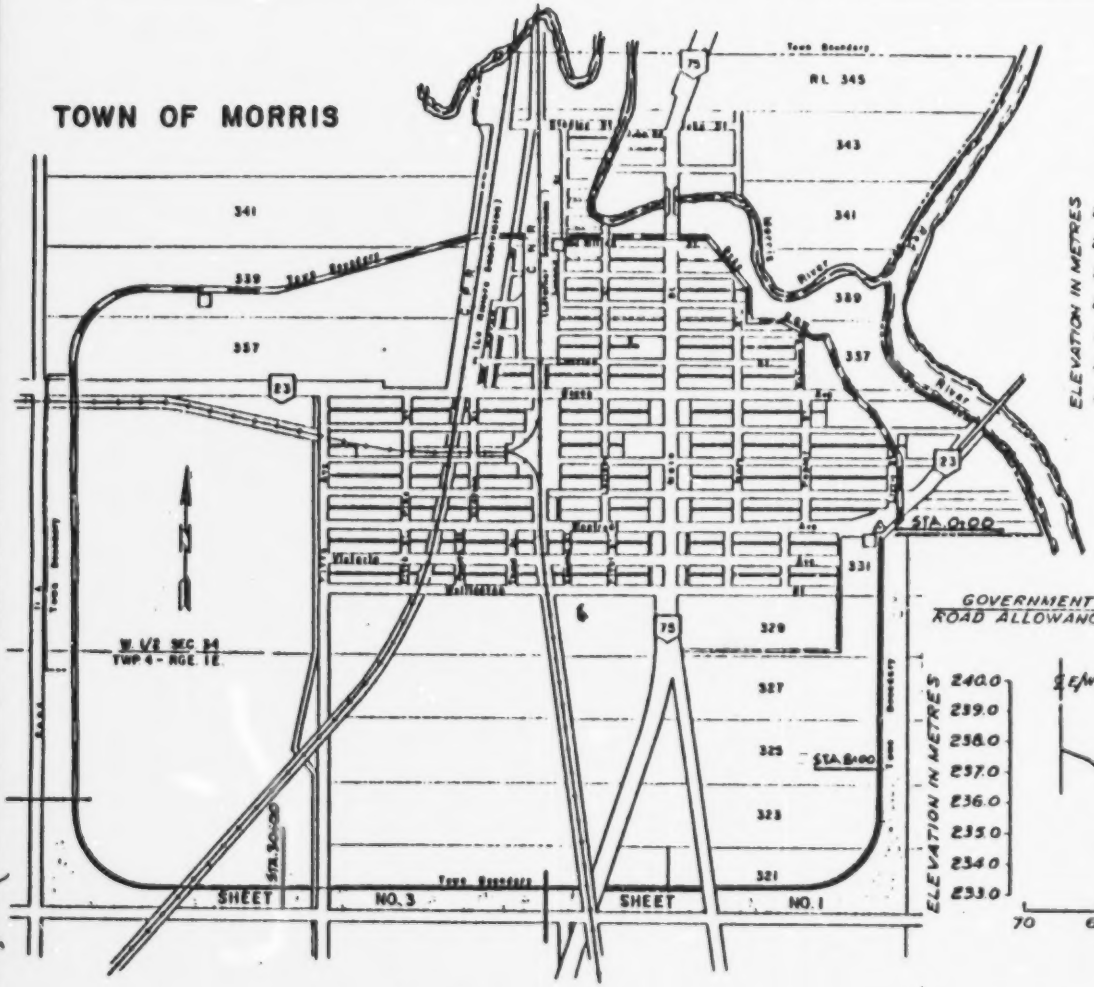
LEGEND

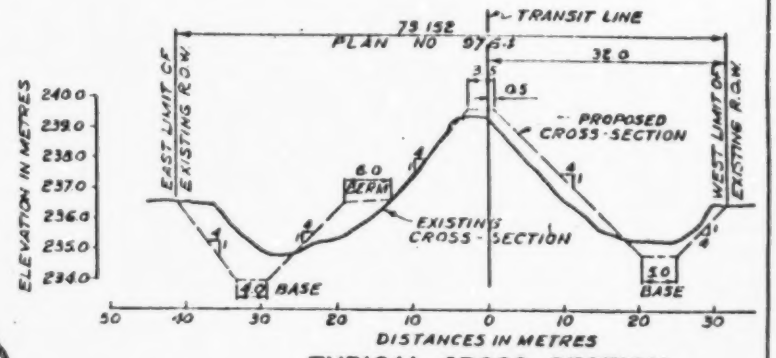
- LOCATION OF PROPOSED UPGRADING OF PERMANENT DYKING SYSTEM.
- LOCATION OF PROPOSED NEW DYKING.
- EXISTING PUMPING STATION.
- RE-LOCATED PUMPING STATION.
- PROPOSED GRAVITY OUTLET CHAMBER.
- LOCATION OF PROPOSED GRAVEL SURFACE ROADWAY.

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

CANADA - MANITOBA AGREEMENT
RESPECTING THE UPGRADING OF DYKES

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR VILLAGE OF LETELLIER





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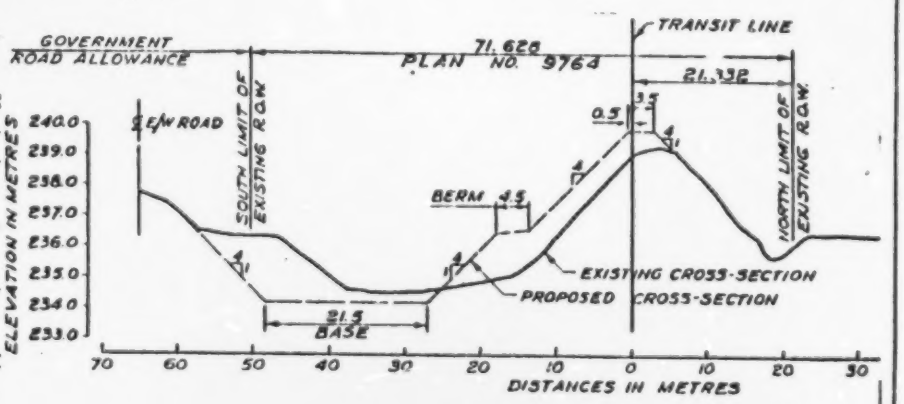

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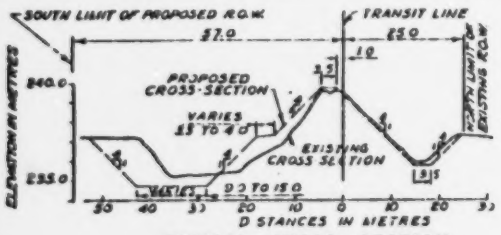
LEGEND

- LOCATION OF PROPOSED UPGRADING OF PERMANENT DYKING SYSTEM
- EXISTING DYKES NOT REQUIRING IMPROVEMENT
- EXISTING PUMPING STATION

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

CANADA-MANITOBA AGREEMENT
RESPECTING THE UPGRADING OF DYKES

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR TOWN OF MORRIS



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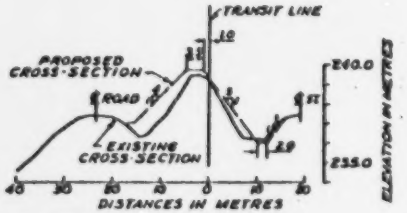

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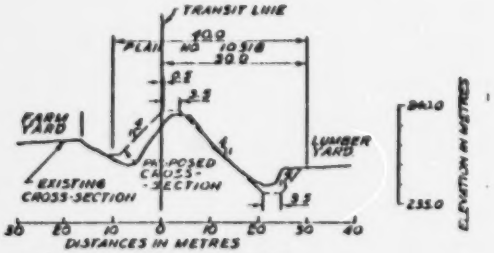

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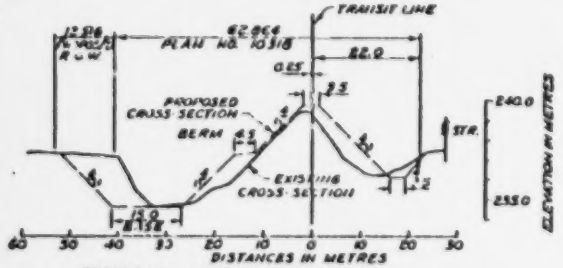

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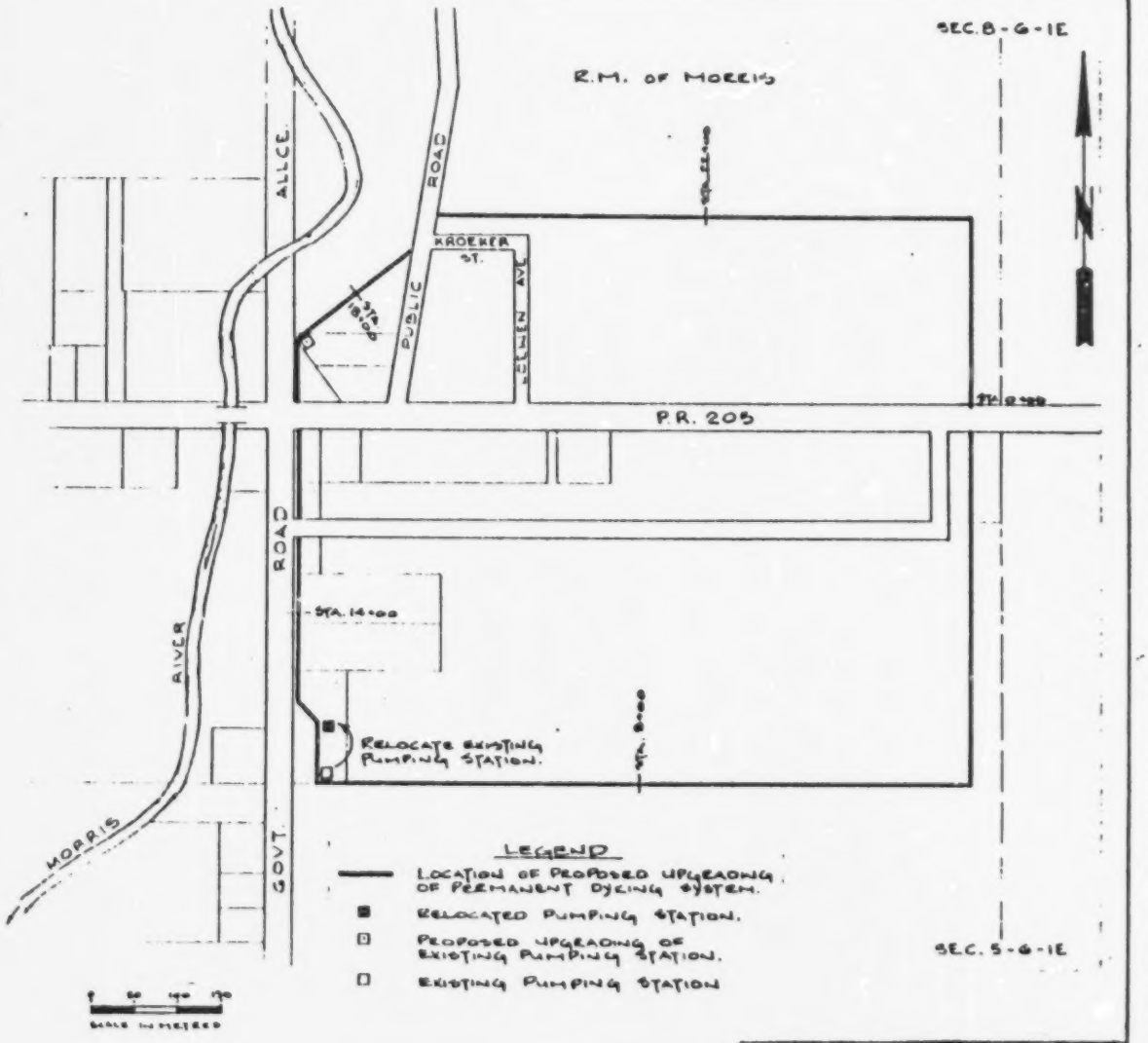
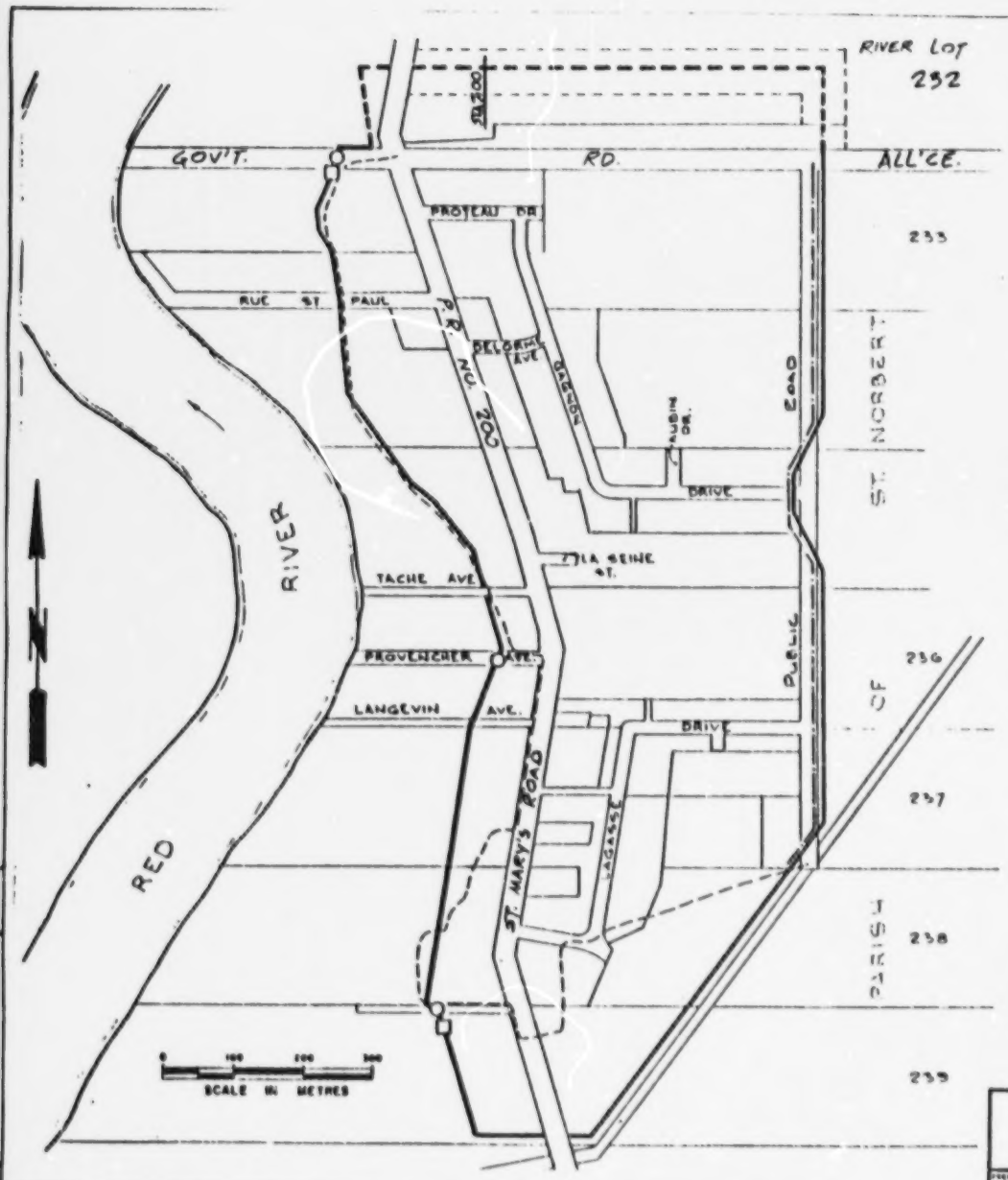
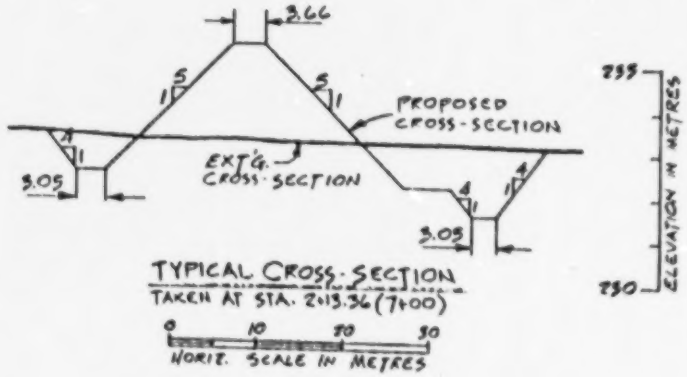


CANADA - MANITOBA AGREEMENT
RESPECTING THE UPGRADING OF DYKES

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR VILLAGE OF ROSENORT





LEGEND

- LOCATION OF PROPOSED UPGRADING OF PERMANENT DYKING SYSTEM.
- LOCATION OF PROPOSED NEW DYKE.
- EXISTING PUMPING STATION.
- EXISTING GRAVITY OUTLET CHAMBER.
- LOCATION OF PROPOSED GRAVEL SURFACE ROADWAY.

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

PREPARED | DRAWN J.R. | SUBMITTED | APPROVED
CHECKED

CANADA - MANITOBA AGREEMENT
RESPECTING THE UPGRADING OF DYKES

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR VILLAGE OF ST. ADOLPHE

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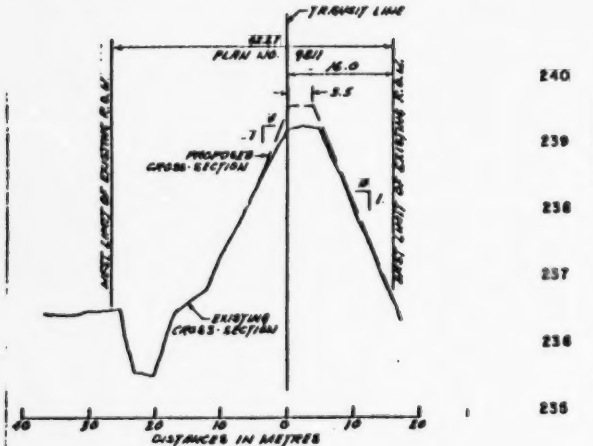

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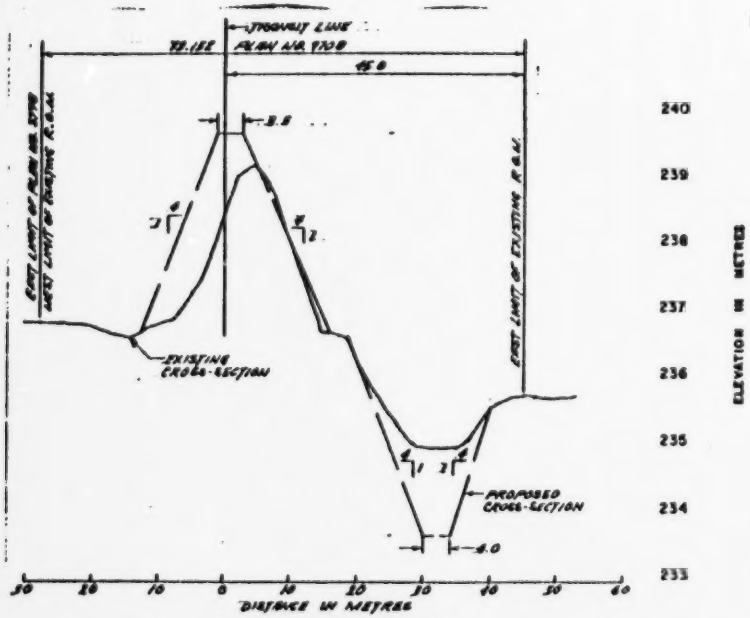

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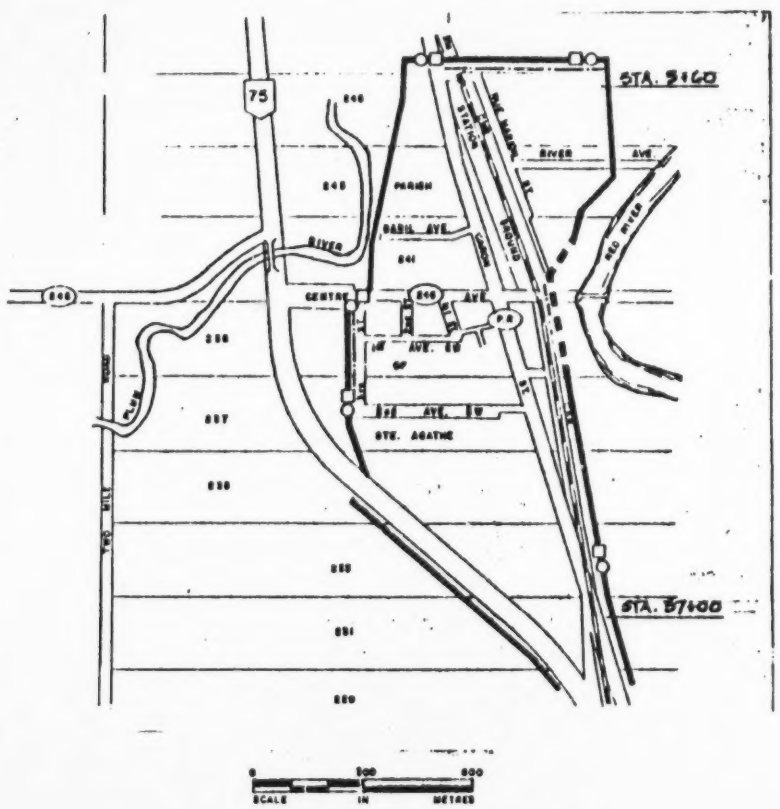

LEGEND

- LOCATION OF PROPOSED UPGRADING OF PERMANENT DYKE SYSTEM.
- LOCATION OF PROPOSED NEW DYKE
- EXISTING PUMPING STATION
- EXISTING GRAVITY OUTLET CHAMBER
- LOCATION OF PROPOSED GRAVEL SURFACE ROADWAY.

PROVINCE OF MANITOBA
DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES BRANCH

PREPARED | DRAWN F.R. CHECKED | SUBMITTED | APPROVED

CANADA - MANITOBA AGREEMENT
RESPECTING THE UPGRADING OF DYKES

LOCATION PLAN AND TYPICAL CROSS SECTIONS FOR VILLAGE OF ST. JEAN BAPTISTE

SCALE | DATE | SHEET | FILE